Comments on Draft 1 Version 2.0 ENERGY STAR External Power Supplies Specification

Submitted by:
Gene Pecora
Honeywell

Date:
November 14, 2007

Comments:

Section 3 of the draft speaks about qualifying products need to meet Active, Power Factor and No-Load criteria. For an AC supply to pass the Active and No-load requirements this can be done, at an expense. Power Factor though, is a function of the load. An AC supply with a purely resistive load will have a PF close to 1. The same supply tested on inductive loads will have an entirely different result. A statement in the standard saying the supply should be tested on the typical loads seen in normal use would help clear this up.

We have AC supplies rated up to 600 watts and also like to comment on the No-load energy consumption criteria of AC supplies 50 to 250 watts. We typically see these units consuming 7-10% of full output just from conversion efficiency. We'd like to see a statement added that allows the manufacturer to subtract power draw from monitoring circuits and indicators (LED's) which can lower overall efficiency even more.